Adding or Modifying a Job Definition

This subsection covers the following topics:

- Adding a Job Definition
- Modifying a Job Definition
- Job Definition Screen
- Field Descriptions: Master Job Definition
- Special PF Keys: Master Job Definition

Adding a Job Definition

To add a job definition

1. Press PF2 (Add) from the Job Maintenance screen.
2. The Job Definition screen opens.
3. Enter values for the fields described below.

   Note:
   Depending on your operating system, you may have to define additional parameters. Press PF6 (Specials) to open a window with the additional parameters. For further information, see the subsection Operating-System-Dependent Job Definitions.

Modifying a Job Definition

To modify an existing job definition

1. Type **M** in the line command field of the selected job.
2. Press Enter.
3. The Master Job Definition window opens, containing the current values for the job.
   You can modify any name, number, JCL and/or symbol table.
4. Press PF5 (Save) to save all changes.
5. Press PF3 (End) to return to the Job Maintenance screen.

Job Definition Screen

```
 +------------------------------------------------------------------+ 3
 !                                                                  !
 !                   Job Definition (Master)                        ! --
 !                                                                  ! er
 ! Job Name       ==> JOB-01____        Mod ==> SN      18.11.01 13:58 !
 ! Description    ==> Where it all starts_____                ! 2
 ! Job Type       ==> MAC                                           ! 1
 ! Execution Node ==> 146 MVS/ESA                                   ! 1
 !                                                                  ! 1
 ! Special Type   ==> _           Symbol Table  ==> EXAM-ST1__      !
 ! Restartable    ==> _           Suffix Symbol ==> _____  ! 1
 !                                Escape Characters:   Activation ==> §  ! 2
 !                                                     Submit     ==> $  ! 1
 !                                                                  ! 1
 ! Enter-PF1---PF2--PF3--PF4---PF5---PF6---PF7---------PF9--PF10---PF12-  !
 !      Help  Add  End  Edit  Save  Spec  Symb        JCL  Copy   Menu  ! 2
 +------------------------------------------------------------------+ 3
 ! Enter-PF1--------PF3--PF4---PF5---PF6---PF7---PF8---------------PF12-  ! **
 !      Help        End  Edit  Save  Spec  Symb  Impo            Menu  !
 +------------------------------------------------------------------+ g
 Command => _____
 nter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help  Add   End        Save        Up   Down                    Menu
```

6. Enter values for the fields described below.

Note:
Depending on your operating system, you may have to define additional parameters. Press PF6 (Specials) to open a window with the additional parameters. For further information, see the subsection Operating-System-Dependent Job Definitions.

Field Descriptions: Master Job Definition

The input fields of the Master Job Definition window are described in the following table:

Field	Description
Job Name	Job name. **Entire Operations** recognizes a job by this name. It can, but need not be the same name as on the JCL job card (the operating system recognizes a job by its job card name). Note: Job names should start with a character. Job names starting with a digit are tolerated, but are not recommended.
Mod	User ID, date and time of last modification of the job definition.
Description	Short description of the job. This text appears in the list of jobs on the Job Maintenance screen. You can add a longer description of the job using the Editor (see the subsection Creating Online Documentation for Jobs).
Job Type	The job type as defined to **Entire Operations**. For further information, see the subsection Job Types.
Execution Node	The job is submitted on the node specified in this case. The default is the value specified in the job network definition. You can enter a different node for the job in this case. The name of the operating system appears after the node number. **Only currently active nodes can be defined**.

Symbol Table	Name of symbol table to be referenced for substitution of variables in the dynamic JCL of a MAC-type or JOB-type job. Enter * and press Enter to list available symbol tables for network owner. Select a name from the list. Alternatively, you can enter a new name and press PF7 (Symb) to define a new symbol table. See Displaying and Modifying a Master Symbol Table in the section Symbols for more.	
Special Type	Leave this field **blank**, if this is a normal job or enter one of the following values:	
	C	Cyclic execution. Each job type can be provided with this attribute. (This is a replacement and extension of the CYC job type) If C is defined, then a cyclic interval must be defined in the job schedule parameters. This is checked during job activation and before job start.
	D	Execution as a dummy job. This allows you to prevent the job from being executed without having to delete the definition. You can also set this type in an active job before a repetition. If this value is deleted in an active job, then the active JCL is generated, provided that it is already present. However, this does not have a resubmission of the job as a consequence. To resubmit the job, you are to use the line command R in the list of active jobs in this case as well. See Resubmitting an Active Job in the section Active Job Networks.
	P	Stops a started task (only for job type STC).
	R	For a recovery job. You must also use R for jobs that are later activated with the job import API NOPUJIxN. **Note:** Recovery jobs are not activated during a normal job network activation. They are activated only if they are defined for another job and if a certain event makes a recovery necessary.
Escape Act	This is the activation escape character. It is a prefix for Natural code lines and symbols to be replaced at activation time. **If you change this character, dynamic JCL could become invalid**.	
Sub	This is the submission escape character. It is a prefix for symbols to be replaced at submission time. **If you change this character, dynamic JCL could become invalid**. The default is $.	
	BS2000/OSD:	The default escape characters must be set to ^ and ' respectively (see the subsection Symbol Replacement in the section System Overview).

Restartable	The job can be restarted automatically. Possible values:	
	Y	The job is to be restarted without any recovery after a system breakdown.
	N	No automatic restart after a system breakdown.
	R	BS2000/OSD: /RESTART when job is repeated. Sysout files are not renamed.
	Note:	BS2000/OSD /RESTART: Automatic sysout rerouting can be delayed with the line: /REMARK EOR-SYSOUT-DIRECT=LATER immediately after the /LOGON command. Later, the line: /REMARK EOR-SYSOUT-DIRECT=NOW must appear. From now on, the sysout will be rerouted. This allows user-defined actions before using a sysout file.
	Criteria for automatic job restart:	
	OS/390: BS2000/OSD:	This field must be marked Y. Job submission time must be before last IPL time and the job must not be terminated. MonJV must contain $R. System session number at job check time must be different from session number at submission time.
Suffix Symbol (optional)	If the job is to be activated multiply in parallel, then this field must contain a symbol name which is in the defined symbol table. The symbol itself must contain the suffixes to be appended to active job names and output conditions. Sum of the lengths (prefix+suffix) must not exceed the maximum field lengths for job names or conditions. For example, if the master job name is PARA, and the symbol contains 001, 003, 012, then the active jobs PARA001, PARA003 and PARA012 are created. If the Suffix Symbol value is not defined in a network and the network has a caller (if it is a sub-network), then the search for the Suffix Symbol is performed upward up to the highest level. If the Suffix Symbol does not contain any values, the job is activated as a temporary dummy job. For information about the definition of multiple symbol values, see Multiple Symbol Values in the section Symbols. For information about the assignment of multiple symbol values to Suffix Symbol, see the subsection Symbol Replacement with Multiple Symbol Values.	
JCL Location	Type of JCL source. In the Network Definition, this field serves as a default for the whole network. See the subsection JCL Locations.	
JCL Node	The JCL for the job is read from this node. It is submitted on the execution node. The default is the value specified in the job network definition and can be overridden in this case.	

Dsname/Natlib	Location of JCL according to job type. **For Natural programs and dynamic JCL (location NAT):** The Natural library in which the program or variable JCL resides. The Natural library must be located on the FUSER system file of **Entire Operations** and cannot have the same name as the **Entire Operations** library. **For VSE/ESA:** Library and sublib, concatenated by a period (.). **For all others:** the file name. To list file/library names, use an asterisk * as wildcard. For example, enter XA* in this field and press Enter to list all file/library names beginning with the characters XA. To display a full list, enter only the asterisk in this field and press Enter. You can select the required file/library from this list. You can also delete the file/library from this list. **For UNIX:** UNIX is case-sensitive (upper/lower case). Environment variables and symbols can be used in the name.
Member	Name of member which contains JCL (if there is JCL). List member names using the asterisk * as wildcard. For example, enter XA* in the member field and press Enter to list all member names beginning with the characters XA. To display a full list, enter only the asterisk in the member field and press Enter. You can select the required member from this list. You can also delete the member from this list. You can also enter a non-existent member in this field, for example, if no JCL has yet been defined for the job. **Entire Operations** notifies you once but accepts the member name in the assumption that a member with this name will be created. Before activating a network and before submitting a job, **Entire Operations** checks for the existence of a member defined for it. If it does not exist, an error message is issued.
Volser	Volume serial number of the file. Required only if the file is not cataloged. (**OS/390 only**).
Password	The file password, if the file is password-protected.

Special PF Keys: Master Job Definition

After having entered these objects in the Job Definition (Master) window, you can press one of the PF keys to continue in one of the following ways:

PF Key	Name	Function
PF4	Edit	Edit the JCL. You can edit the jobs JCL directly from here. Make sure that you have defined JCL in advance. The JCL definition can be invoked with PF9 from this screen.
PF6	Spec	Define special parameters for operating-system-specific job definitions. Job type DAT: Special definitions for the DAT target file. Job type NET: Defining a Sub-network.
PF7	Symb	Display the symbol table specified in the Symbol Table field. You can define or change the symbol table.
PF9	JCL	Define the job control (JCL) for a job.
PF10	Copy	Copy a new job definition from an existing one.